

What is claimed is:

1       1. A portable cellular phone system enabling a user of a  
2 portable cellular phone to make use of a stored-type voice message  
3 service comprising:

4           units to store, when connection with said portable cellular  
5 phone is unable to be made, a voice message to be fed to said portable  
6 cellular phone and to provide, when connection with said portable  
7 cellular phone is able to be made, a notification that said voice  
8 message has been stored, to said portable cellular phone.

1       2. The portable cellular phone system according to Claim  
2 1, wherein said notification that said voice message has been stored  
3 is provided to said portable cellular phone by using a radio packet  
4 communication system.

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1       3. A portable cellular phone system enabling a user of a  
2 portable cellular phone to make use of a stored-type voice message  
3 service comprising:

4           a telephone set used to send out a voice message to be fed  
5 to a user of said portable cellular phone by a manipulation of  
6 a caller of said telephone set;

7           a dialup line used to transmit said voice message;

8           a switching center used to transmit, when connection with  
9 said portable cellular phone is unable to be made, said voice message  
10 fed through said dialup line to a voice message storing device  
11 and to send out, when connection with said portable cellular phone  
12 is able to be made, a voice message arrival notifying signal  
13 informing that said voice message has been stored, by reading it

14 from said voice message storing device;  
15       said voice message storing device used to store said voice  
16 message transmitted from said switching center and to send out  
17 said voice message arrival notifying signal;  
18       a base station used to send out said voice message arrival  
19 notifying signal fed from said switching center to said portable  
20 cellular phone; and  
21       said portable cellular phone used to receive said voice  
22 message arrival notifying signal and to notify said user of said  
23 portable cellular phone of receipt of said voice message arrival  
24 notifying signal.

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1       4. The portable cellular phone system according to Claim  
2 3, wherein said base station is so configured as to send out said  
3 voice message arrival notifying signal fed from said switching  
4 center to said portable cellular phone by using a radio packet  
5 communication system.

1       5. The portable cellular phone system according to Claim  
2 3, wherein said voice message arrival notifying signal contains  
3 information about a caller and said portable cellular phone has  
4 a function to display said information about said caller.

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1       6. A method for controlling a portable cellular phone system  
2 enabling a user of a portable cellular phone to make use of a  
3 stored-type voice message service comprising:

4       steps of storing, when connection with said portable cellular  
5 phone is unable to be made, a voice message to be fed to said portable  
6 cellular phone and of providing, when connection with said portable

7 cellular phone is able to be made, a notification that said voice  
8 message has been stored, to said portable cellular phone.

1       7. A method for controlling a portable cellular phone system  
2 enabling a user of a portable cellular phone to make use of a  
3 stored-type voice message service comprising:

4           a voice message sending process of sending out a voice message  
5 to be fed to a user of said portable cellular phone by a manipulation  
6 of a caller of a telephone set;

7           a voice message transmitting process of transmitting said  
8 voice message;

9           a switching process of transmitting, when connection with  
10 said portable cellular phone is unable to be made, said voice message  
11 fed by said voice message transmitting process, to a voice message  
12 storing device and of sending out, when connection with said  
13 portable cellular phone is able to be made, a voice message arrival  
14 notifying signal informing that said voice message has been stored,  
15 by reading it from said voice message storing device;

16          a voice message storing process of storing said voice message  
17 fed by said switching process and of sending out said voice message  
18 arrival notifying signal;

19          a packet transmitting process of transmitting said voice  
20 message arrival notifying signal fed by said switching process  
21 to said portable cellular phone; and

22          a voice message arrival notifying process of receiving said  
23 voice message arrival notifying signal and of notifying said user  
24 of said portable cellular phone of receipt of said voice message  
25 arrival notifying signal.

1       8. The method for controlling the portable cellular phone  
2 according to Claim 7, wherein said packet transmitting process  
3 is a process of sending out said voice message arrival notifying  
4 signal fed by said switching process to said portable cellular  
5 phone by using a radio packet communication system.

1       9. The method for controlling the portable cellular phone  
2 according to Claim 7, wherein said voice message arrival notifying  
3 signal contains information about a caller and said voice message  
4 arrival notifying process contains a process of displaying said  
5 information about said caller.

1       10. A storage medium storing a program for causing a computer  
2 to execute functions of a portable cellular phone system enabling  
3 a user of a portable cellular phone to make use of a stored-type  
4 voice message service, said portable cellular phone system  
5 comprising:

6       units to store, when connection with said portable cellular  
7 phone is unable to be made, a voice message to be fed to said portable  
8 cellular phone and to provide, when connection with said portable  
9 cellular phone is able to be made, a notification that said voice  
10 message has been stored, to said portable cellular phone.

1       11. A storage medium storing a program for causing a computer  
2 to execute functions of a portable cellular phone system enabling  
3 a user of a portable cellular phone to make use of a stored-type  
4 voice message service, said portable cellular phone system  
5 comprising:

6       a telephone set used to send out a voice message to be fed

7 to a user of said portable cellular phone by a manipulation of  
8 a caller of said telephone set;

9           a dialup line used to transmit said voice message;  
10           a switching center used to transmit, when connection with  
11 said portable cellular phone is unable to be made, said voice message  
12 fed through said dialup line to a voice message storing device  
13 and to send out, when connection with said portable cellular phone  
14 is able to be made, a voice message arrival notifying signal  
15 informing that said voice message has been stored, by reading it  
16 from said voice message storing device;

17           said voice message storing device used to store said voice  
18 message transmitted from said switching center and to send out  
19 said voice message arrival notifying signal;

20           a base station used to send out said voice message arrival  
21 notifying signal fed from said switching center to said portable  
22 cellular phone; and

23           said portable cellular phone used to receive said voice  
24 message arrival notifying signal and to notify said user of said  
25 portable cellular phone of receipt of said voice message arrival  
26 notifying signal.